

DEPARTMENT OF THE AIR FORCE

59TH MEDICAL WING (AETC) LACKLAND AIR FORCE BASE TEXAS

28 January 2016

MEMORANDUM FOR SGOZ

ATTN: CAPT BRYANT J. WEBBER

FROM: 59 MDW/SGVU/CC

SUBJECT: Professional Presentation Approval

- 1. Your presentations, entitled <u>Preventing Exertional Collapse and Death in Military Training</u> have been approved to be presented to <u>Preventive Medicine 2016 (Am Coll Prev Med annual conference)</u>, <u>Crystal City</u>, <u>VA</u>, <u>26 Feb 16</u> for release in accordance with MDWI 41-108, and has been assigned local file #<u>16074</u>.
- 2. Pertinent biographic information (name of author(s), title, etc.) has been entered into our computer file. Please advise us (phone or mail) that your article was published. At that time, we will need the name of the publishing company, month and year, issue volume of your published paper. It is important to update this information so that we can provide quality support for you, your department, and the Medical Center Commander. This information is used to document the scholarly activities of our professional staff and students, which is an essential component of Wilford Hall Ambulatory Surgical Center's (WHASC) internship and residency programs.
- 3. Please know that the 59th Clinical Research Division cannot pay for reprints ordered from the journal by the authors. In addition, publisher's charges, as well as any charges for color photos, covers for your reprints, or any distinctive specifications, must be coordinated with your department for funding.
- 4. Congratulations, and thank you for your efforts and time to contribute to the body of medical knowledge. Your contributions directly impact the success of the military mission.
- 5. We look forward to assisting you in your future publication/presentation efforts.

LINDA STEEL-GOODWIN, Col, USAF, BSC Director, Clinical Investigation & Research Support

Linda Steel-Goodwin

	FROCESSING C	JF PROFESSIONAL	- MEDICAL R	RESEARCH PUBLICATIONS/PRESEN	NTATIONS	
TO:	Clinical Research Division/SGVU	FROM: (Name/Ran	nk/Office Symb	001)	PROTOCOL NUMBER:	
	(59th CSPG/SGVU)	Bryant J. Webb 559 THLS/SGC		SAF, MC	N/A	
PROT	OCOL TITLE					
N/A	(review presentation; no original	research)				
1. TITL	LE OF MATERIAL TO BE PUBLISHED	OR PRESENTED				
Preve	enting Exertional Collapse and De	ath in Military T	raining			
		YES VNO				
AGRE	THIS MATERIAL SUBJECT TO ANY LE ARCH AND DEVELPMENT AGREEMEN EMENT, ETC.? (ES	NT (CRADA), MATE	RIAL TRANS	FER AGREEMENT (MTA), INTELLECT	TUAL PROERTY RIGHTS	
	TERIAL IS FOR (Check appropriate box					
	PUBLICATION/JOURNAL (List intended	ed publication/journa	al)			
	PUBLISHED ABSTRACT (List intende	ed journal)				
	POSTER (To be demonstrated at mee	ting/Name of Meeting	ng, City, State	a, and Date of Meeting)		
V	PLATFORM PRESENTATION (At civil) Preventive Medicine 2016 (Am			State, and Date of Meeting) rence), Crystal City, VA, 26 Feb	16	
	OTHER (Describe; Name of Meeting, 0				10	
2000			POINT OF C	CONTACT		
5. WHO	O IS THE PRIMARY WHASC POINT OF	CONTACT? (Last	, First, M.I.) (Include email	DUTY PHONE/PAGER No.	
Webb	er, Bryant J. (bryant.webber@us.a	ıf.mil)			671-4087	
		AUTI	HORSHIP AND	CO-AUTHOR(S) (List in the order they	will appear in the manuscript)	
	LAST NAME, FIRST NAME AND MI.	GRA	DE/RANK	SQUADRON/GROUP/OFFICE SYN	INSTITUTION (If not 59 MDW)	
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AUTHO	DR'S PRINTED NAME/RANK/GRADE		AUTHOR'S	SIGNATURE	DATE	
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59TH CSPG/SGVU (Contact 292-7141 for email instructions)	11 Jan 2	2016	16074		
3. DATE REVIEWED 27 Jan 2016			4. DATE FORWARDED 1	ГО РА	
5. AUTHOR CONTACTED FOR RECOMMENDED OR NECESSARY CHANGES	ON 🔽 NO	YES (If	yes, give date)		□ N/A
6 COMMENTS -	SAPPROVED)			
The presentation is approved.					
PRINTED NAME, RANK/GRADE, TITLE OF REVII	EWER	SIGNATURE	OF REVIEWER		DATE
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Clinical Research Administrator		CA	LCOTE.ROCKY.D.117824	5844	27 Jan 2016
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TO:	1.	DATE RECEIV	/ED	2. DATE FORV	VARDED TO 59TH CSPG/SGVU
OFFICE OF PUBLIC AFFAIRS (PA)		27 Jan 16		28 J	an 16
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TO: 59 CSPG/SGVU			(acto dae omy)		1. DATE RECEIVED
2. SENIOR AUTHOR NOTIFIED BY PHONE OF AF	PROVAL O	R DISAPPRO	VAL .		
YES NO COULD NOT BE REA	CHED [LEFT MESS	AGE		
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Preventing Exertional Collapse and Death in Military Training



Bryant Webber, MD, MPH Captain, USAF, MC Trainee Health Surveillance Joint Base San Antonio – Lackland, TX

26 February 2016

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Learning Objectives



- List the primary causes of recruit mortality in the U.S. armed forces
- Describe the impact of sickle cell trait on health outcomes in terms of relative and absolute risk
- Prioritize the response to a collapsed recruit based on the epidemiology and severity of potential causes



Disclaimers



The views expressed herein are those of the presenter and do not reflect the official policy or position of Joint Base San Antonio, the Department of the Air Force, the Department of Defense, or the U.S.

I or my spouse do not have, and have not had, in the last 12 months, any relevant financial or other relationship with any proprietary entity producing, marketing, re-selling or distributing health care goods or services including the manufacturer of any commercial product or device I will discuss during my presentation.



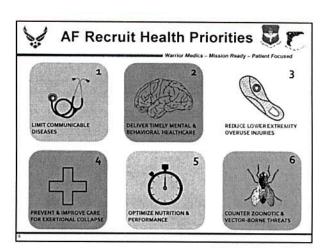


Agenda

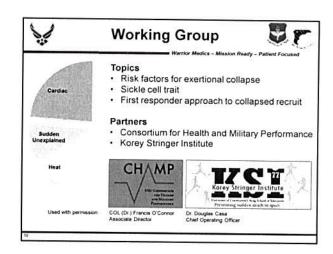


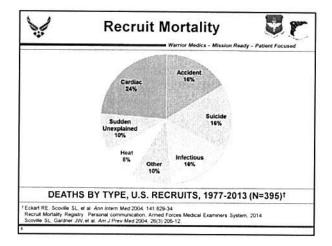
■ Warrior Medics - Mission Ready - Patient Focused

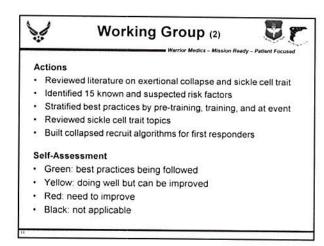
- Learning Objectives
- Population
- · Air Force Recruit Health Priorities
- · Recruit Mortality
- Working Group
 - · Risk Factors for Exertional Collapse
 - · Sickle Cell Trait
 - · Collapsed Recruit Algorithms for First Responders

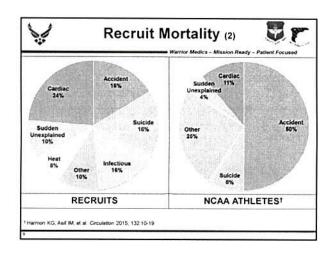


	Incidence	Severity	Impact	Total	Preventive Medicine Interventions
S	3	4	5	12	Outbreak responses, TB screening; immunizations, streptococcus prophylaxis, febrile respiratory surveillance
	4	3	4	11	Hospitalization registry; mental health attrition registry; data requests
B	5	2	4	11	Injury epidemiology, athletic trainer study, stress fracture registry, physical fitness program review;
	1	5	2	8	Exertional collapse protocols, heat illness determination officers; sickle cell trait education; rhabdomyolysis workup
Ö	3	1	3	7	Tobacco cessation efforts; anemia studies; female multivitamin initiative; coordination with Nutrition Team
W	1	4	,	6	Bed net use; Chagas disease research; coordination of insecticide spraying and animal control activities









Warrior Medics - Mission Ready - Patient Focused					
建设建设设计划,以通过设计的设计	Pre-Training	Training	At Event		
Sickle cell trait					
Poor cardiovascular fitness	ALC: MARKETON				
Poor health and fitness knowledge					
Underlying medical condition					
Inadequate medical assets					
Unsafe training					
Overaggressive motivation					
Recent blood donation		DEVENTO	0.7		
Dehydration		TANK BURS			
Tobacco use					
Nutritional supplement use					
Current illness		ELEMENT			
Lack of heat acclimatization		TO SECURE			
Lack of exercise acclimatization					
Improper triage					

